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## AMENDMENT TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims.

1. (CURRENTLY AMENDED) A system comprising: a processor unit for accessing a memory storing instructions therein that when executed by the processor unit intercepts multimedia documents disseminated from a first network, the system comprising

a memory;

processor means for intercepting documents from, and having a connection to, a first network; said processor means storing information relating to said documents in said memory;

said processor means having a module for intercepting and processing packets of information each including an identification header and a data body, the packet interception and processing module eomprising a comprising first unit-means for intercepting packets disseminated from the first network, a unit means for analyzing the headers of packets in order to determine whether a packet under analysis forms part of a connection that has already been set up, a unit-means for processing packets recognized as forming part of a connection that has already been set up to determine the identifier of each received packet and to access a storage container where the data present in each received packet is saved, and a unit-means for creating an automaton for processing the received packet belonging to a new connection if the packet header analyzer unit shows means show that a packet under analysis constitutes a request for a new connection, the unit-means for creating an automaton comprises a unit-means for creating a new storage container for containing the resources needed for storing and managing the data produced by the unit-means for processing packets associated with the new connection, a triplet comprising <identifier, connection state flag, storage container> being created and being associated with each connection by said unit-means for creating an automaton, and said system further comprising a unit means for analyzing the content of data stored in the containers, for recognizing the protocol used from a set of standard protocols such as http, SMTP, FTP, POP, IMAP, TELNET, P2P, for analyzing the content transported by the protocol, and for reconstituting the intercepted documents.

2. (CURRENTLY AMENDED) The system according to claim 1, wherein the analyzer unit means and the processor unit means comprise a first table for setting up a connection and containing for each connection being set up an identifier "connectionId" and a flag "connectionState", and a

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second table for identifying containers and containing, for each connection that has already been set up,

an identifier "connectionId" and a reference "containerRef" identifying the container dedicated to

storing the data extracted from the frames of the connection having the identifier "connectionId".

3. (PREVIOUSLY PRESENTED) The system according to claim 2, wherein the flag

"connectionState" of the first table for setting up connections can take three possible values depending

on whether the detected packet corresponds to a connection request made by a client, to a response

made by a server, or to a confirmation made by the client.

4. (CURRENTLY AMENDED) The system according to claim 1, wherein the first packet

interception unitmeans, the packet header analyzer unitmeans, the automaton creator unitmeans, the

packet processor unitmeans, and the unitmeans for analyzing the content of data stored in the

containers operate in an independent and asynchronous manner.

5. (PREVIOUSLY PRESENTED) The system according to claim 1, further comprising a first

storing module for storing the content of documents intercepted by the module for intercepting and

processing packets, and a second storing module for storing information relating to at least the sender

and the destination of intercepted documents.

6. (PREVIOUSLY PRESENTED) The system according to claim 5, further comprising a third

storing module for storing information relating to the components that result from detecting the content

of intercepted documents.

7. (CURRENTLY AMENDED) A system comprising: a processor unit for accessing a memory

storing instructions therein that when executed by the processor unit intercepts

a memory;

processor means for intercepting multimedia documents disseminated from, and having a

connection to, a first network, the system comprising;

said processor means storing information relating to said documents in said memory;

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said processor means having a module for intercepting and processing packets of information each including an identification header and a data body, the packet interception and processing module comprising a first unit first means for intercepting packets disseminated from the first network, a unitmeans for analyzing the headers of packets in order to determine whether a packet under analysis forms part of a connection that has already been set up, a unit means for processing packets recognized as forming part of a connection that has already been set up to determine the identifier of each received packet and to access a storage container where the data present in each received packet is saved, and a unit means for creating an automaton for processing the received packet belonging to a new connection if the packet header analyzer unitmeans shows that a packet under analysis constitutes a request for a new connection, the unit means for creating an automaton comprising a unit means for creating a new storage container for containing the resources needed for storing and managing the data produced by the unitmeans for processing packets associated with the new connection, a triplet comprising <identifier, connection state flag, storage container> being created and being associated with each connection by said unit means for creating an automaton, and said system further comprising a unit means for analyzing the content of data stored in the containers, for recognizing the protocol used from a set of standard protocols such as in particular http, SMTP, FTP, POP, IMAP, TELNET, P2P, for analyzing the content transported by the protocol, and for reconstituting the intercepted documents, the system further comprising a centralized system comprising a unit means for producing fingerprints of sensitive documents under surveillance, a unit means for producing fingerprints of intercepted documents, a unit means for storing fingerprints produced from sensitive documents under surveillance, a unitmeans for storing fingerprints produced from intercepted documents, a unitmeans for comparing fingerprints coming from the unit means for storing fingerprints produced from intercepted documents with fingerprints coming from the unit means for storing fingerprints produced from sensitive documents under surveillance, and a unit means for processing alerts, containing the references of intercepted documents that correspond to sensitive documents.

8. (CURRENTLY AMENDED) The system according to claim 7, further comprising a selector unitmeans responding to the unitmeans for processing alerts to block intercepted documents or to

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forward them towards a second network, depending on the results delivered by the unitmeans for

processing alerts.

9. (CURRENTLY AMENDED) The system according to claim 7, wherein the centralized

system further comprises a unitmeans for associating rights with each sensitive document under

surveillance rights, and a unitmeans for storing information relating to said rights, which rights define

the conditions under which the document can be used.

10. (PREVIOUSLY PRESENTED) The system according to claim 1, interposed between a first

network of the LAN type and a second network of the LAN type.

11. (PREVIOUSLY PRESENTED) The system according to claim 1, interposed between a first

network of the Internet type and a second network of the Internet type.

12. (PREVIOUSLY PRESENTED) The system according to claim 1, interposed between a first

network of the LAN type and a second network of the Internet type.

13. (PREVIOUSLY PRESENTED) The system according to claim 1, interposed between a first

network of the Internet type and a second network of the LAN type.

14. (PREVIOUSLY PRESENTED) The system according to claim 13, further comprising a

generator for generating requests from sensitive documents to be protected, in order to inject requests

into the first network.

15. (CURRENTLY AMENDED) The system according to claim 14, wherein the request

generator comprises:

a unitmeans for producing requests from sensitive documents under surveillance;

a unitmeans for storing the requests produced;

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a unitmeans for mining the first network with the help of at least one search engine using the

previously stored requests;

a unitmeans for storing the references of suspect files coming from the first network; and

a unitmeans for sweeping up suspect files referenced in the unitmeans for storing references

and for sweeping up files from the neighborhood, if any, of the suspect files.

16. (CURRENTLY AMENDED) The system according to claim 7, wherein said unit means for

comparing fingerprints deliver a list of retained suspect documents having a degree of pertinence

relative to sensitive documents, and the alert processor unitmeans delivers the references of an

intercepted document when the degree of pertinence of said document is greater than a predetermined

threshold.

17. (CURRENTLY AMENDED) The system according to claim 7, further comprising, between

said unitmeans for comparing fingerprints and said unitmeans for processing alerts, a calculating

module for calculating the similarity between documents, which calculating module comprises:

a) a unit means for producing an interference wave representing the result of pairing between a

concept vector taken in a given order defining the fingerprint of a sensitive document and a concept

vector taken in a given order defining the fingerprint of a suspect intercepted document; and

b) a unit means for producing an interference vector from said interference wave enabling a

resemblance score to be determined between the sensitive document and the suspect intercepted

document under consideration, the unitmeans for processing alerts delivering the references of a

suspect intercepted document when the value of the resemblance score for said document is greater

than a predetermined threshold.

18. (CURRENTLY AMENDED) The system according to claim 7, further comprising, between

said unitmeans for comparing fingerprints and said unitmeans for processing alerts, a calculating

module for calculating similarity between documents, which calculating module comprises a

unitmeans for producing a correlation vector representative of the degree of correlation between a

concept vector taken in a given order defining the fingerprint of a sensitive document and a concept

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vector taken in a given order defining the fingerprint of a suspect intercepted document, the correlation vector enabling a resemblance score to be determined between the sensitive document and the suspect intercepted document under consideration, the <u>unitmeans</u> for processing alerts delivering the references of a suspect intercepted document when the value of the resemblance score for said document is greater than a predetermined threshold.

19. (CURRENTLY	AMENDED) A	system cor	nprisin <u>g:</u> £	<del>processor</del>	unit for	accessing	a memory
storing instructions t	herein that when (	executed by	the process	<del>sor unit inte</del>	rcepts		

a memory;

processor means for intercepting documents disseminated from, and having a connection to, a first network, the system;

said processor means storing information relating to said documents in said memory;

said processor means having comprising a module for intercepting and processing packets of information each including an identification header and a data body, the packet interception and processing module comprising a first unit first means for intercepting packets disseminated from the first network, a unit means for analyzing the headers of packets in order to determine whether a packet under analysis forms part of a connection that has already been set up, a unitmeans for processing packets recognized as forming part of a connection that has already been set up to determine the identifier of each received packet and to access a storage container where the data present in each received packet is saved, and a unit means for creating an automaton for processing the received packet belonging to a new connection if the packet header analyzer unit means shows that a packet under analysis constitutes a request for a new connection, the unitmeans for creating an automaton comprising a unit means for creating a new storage container for containing the resources needed for storing and managing the data produced by the unit means for processing packets associated with the new connection, a triplet comprising <identifier, connection state flag, storage container> being created and being associated with each connection by said unit means for creating an automaton, and the system further comprising a unit means for analyzing the content of data stored in the containers, for recognizing the protocol used from a set of standard protocols such as http, SMTP, FTP, POP, IMAP, TELNET, P2P, for analyzing the content transported by the protocol, and for reconstituting the

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intercepted documents, wherein the first packet interception unitmeans, the packet header analyzer

unitmeans, the automaton creator unitmeans, the packet processor unitmeans, and the unitmeans for

analyzing the content of data stored in the containers operate in an independent and asynchronous

manner, and wherein the system further comprises a first storing module for storing the content of

documents intercepted by the module for intercepting and processing packets, and a second storing

module for storing information relating to at least the sender and the destination of intercepted

documents.

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